Solve the given system using substitution and/or elimination. Classify the system as having one solution, no solutions, or infinite solutions. Check your answer both algebraically and graphically.

$$\begin{cases} x + 4y &= 6 \\ \frac{1}{12}x + \frac{1}{3}y &= \frac{1}{2} \end{cases}$$

Exercise 1 *Classify this system as having one solution, no solutions, or infinite solutions.*

Multiple Choice:

(a) *one solution*

(b) *no solutions*

(c) *infinite solutions* ✓